

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:40:43 ON 15 MAY 2007

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STRUCTURE FILE UPDATES: 14 MAY 2007 HIGHEST RN 934733-40-1

DICTIONARY FILE UPDATES: 14 MAY 2007 HIGHEST RN 934733-40-1

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s tilidine/cn

L1 1 TILIDINE/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 51931-66-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester, (1R,2S)-rel- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester, trans-

OTHER NAMES:

CN dl-trans-Tilidine

CN Ethyl trans-2-(dimethylamino)-1-phenyl-3-cyclohexene-1-carboxylate

CN Tilidine

CN trans-Tilidine

FS STEREOSEARCH

DR 20380-58-9, 23726-88-7, 30735-49-0

MF C17 H23 N O2

CI COM

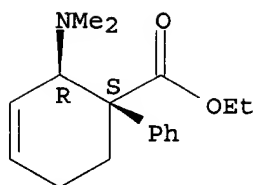
LC STN Files: ADISNEWS, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, PROMT, PS, RTECS\*, SCISEARCH, SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

232 REFERENCES IN FILE CA (1907 TO DATE)  
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 232 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.80	8.01

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 15:41:53 ON 15 MAY 2007

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FILE COVERS 1907 - 15 May 2007 VOL 146 ISS 21

FILE LAST UPDATED: 14 May 2007 (20070514/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.47	8.48

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 15:42:23 ON 15 MAY 2007

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of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 15 May 2007 VOL 146 ISS 21  
FILE LAST UPDATED: 14 May 2007 (20070514/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 51931-66-9/prep  
232 51931-66-9  
4402554 PREP/RL  
L2 13 51931-66-9/PREP  
(51931-66-9 (L) PREP/RL)

=> s 51931-66-9/pur  
232 51931-66-9  
255307 PUR/RL  
L3 1 51931-66-9/PUR  
(51931-66-9 (L) PUR/RL)

=> s 51931-66-9/proc  
232 51931-66-9  
4100400 PROC/RL  
L4 21 51931-66-9/PROC  
(51931-66-9 (L) PROC/RL)

=> d 13 ibib abs hitstr

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1972:126471 CAPLUS  
DOCUMENT NUMBER: 76:126471  
TITLE: Separating 3-trans-2(dimethylamino)-4-phenyl-4-trans-carbethoxy- $\Delta$ 1-cyclohexene from a mixture  
INVENTOR(S): Strotzer, Erich  
PATENT ASSIGNEE(S): Goedecke A.-G.  
SOURCE: Ger., 3 pp. Addn. to Ger. 1,518,959 (See Brit. 1,120,186, CA 69;96062v).  
CODEN: GWXXAW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 6  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1768704	A	19711111	DE 1967-1768704	19680621
US 3557127	A	19710119	US 1969-813268	19690403
GB 1216152	A	19701216	GB 1969-1216152	19690506
BE 732713	A	19691110	BE 1969-732713	19690508
NL 6907094	A	19691111	NL 1969-7094	19690508
SE 360070	B	19730917	SE 1969-6552	19690508
JP 50011907	B	19750507	JP 1969-35463	19690508
CA 935160	A1	19731009	CA 1970-87006	19700630
NO 127004	B	19730424	NO 1970-4056	19701026
DK 7503603	A	19750808	DK 1975-3603	19750808
DK 141623	B	19800512		
DK 141623	C	19801013		
PRIORITY APPLN. INFO.:			DE 1965-1518959	A 19651119
			DE 1966-1618476	A 19670608
			DE 1966-1618482	A 19670623
			US 1968-727689	A 19680508

DE 1967-1768704	A 19680621
DE 1967-1768895	A 19680711
US 1968-777197	A 19681119
US 1968-777202	A 19681119
DE 1969-1907909	A 19690217
DE 1969-1907910	A 19690217
DE 1969-1907911	A 19690217
DK 1969-2491	A 19690507

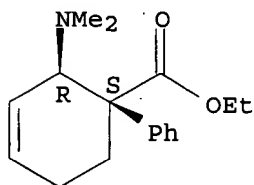
AB The title compound (I) was isolated from the reaction mixture obtained by treating Me<sub>2</sub>NCH:CHCH:CH<sub>2</sub> with H<sub>2</sub>C:CPhCO<sub>2</sub>Et as its double salt with 1,5-naphthalenedisulfonic acid. I contained <0.5% of its cis isomer.

IT 51931-66-9P  
RL: PUR (Purification or recovery); PREP (Preparation)  
(purification of)

RN 51931-66-9 CAPLUS

CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester, (1R,2S)-rel- (CA INDEX NAME)

Relative stereochemistry.



=> s 12 or 13 or 14  
L5 34 L2 OR L3 OR L4

=> s 15 and acid  
4369677 ACID  
L6 17 L5 AND ACID

=> s 16 and dimethyl amine  
355359 DIMETHYL  
278189 AMINE  
392 DIMETHYL AMINE  
(DIMETHYL(W)AMINE)  
L7 0 L6 AND DIMETHYL AMINE

=> s 16 and ethyl atropate  
470846 ETHYL  
87 ATROPATE  
13 ETHYL ATROPATE  
(ETHYL(W)ATROPATE)  
L8 0 L6 AND ETHYL ATROPATE

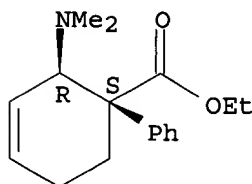
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19201940 PY<1999  
L9 8 L6 AND PY<1999

=> d 1-8 ibib abs hitstr

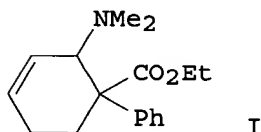
L9 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1988:31256 CAPLUS  
DOCUMENT NUMBER: 108:31256  
TITLE: The stereoselectivity of the 'single drug binding site' of human  $\alpha$ 1- acid glycoprotein (orosomucoid)

AUTHOR(S): Brunner, F.; Mueller, W. E.  
 CORPORATE SOURCE: Inst. Pharmakodyn. Toxikol., Univ. Graz, Graz, A-8010, Austria  
 SOURCE: Journal of Pharmacy and Pharmacology (1987), 39(12), 986-90  
 CODEN: JPPMAB; ISSN: 0022-3573  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The stereoselective binding of six pairs of basic, one pair of acidic drug enantiomers, and one pair of diastereomers to human  $\alpha 1$ - acid glycoprotein was investigated by means of competition expts. against [3H]propranolol- or [14C]nicardipine-labeled binding sites using equilibrium dialysis to sep. free from bound marker ligand. The results suggest that the single drug binding site of  $\alpha 1$ -AGP is only slightly stereoselective and that the stereoselective binding of the drugs investigated is probably of no clin. consequence.  
 IT 51931-66-9  
 RL: PROC (Process)  
 (binding of, to human orosomucoid, stereoselectivity of)  
 RN 51931-66-9 CAPLUS  
 CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester, (1R,2S)-rel- (CA INDEX NAME)

Relative stereochemistry.



L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1987:472205 CAPLUS  
 DOCUMENT NUMBER: 107:72205  
 TITLE: In vitro adsorption of tilidine hydrochloride by activated charcoal  
 AUTHOR(S): Cordonnier, Jan A.; Van den Heede, Marc A.; Heyndrickx, Aubin M.  
 CORPORATE SOURCE: Dep. Toxicol., State Univ. Ghent, Ghent, B-9000, Belg.  
 SOURCE: Journal of Toxicology, Clinical Toxicology (1987), 24(6), 503-17  
 CODEN: JTCTDW; ISSN: 0731-3810  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



AB In vitro studies were carried out in order to determine the adsorption of tilidine (I) (as the HCl), a narcotic analgesic, by activated charcoal (maximum adsorption capacity 185.5 mg/g of charcoal). The path of the

adsorption isotherms at pH 1.2 and 7.5 suggests that the in vivo adsorption of tilidine may be increased when the drug passes from the stomach to the intestine, unless the intestinal content exerts a displacing effect. Nevertheless, the adsorption was dependent on the quantity of activated charcoal used, becoming more complete when the quantity of activated charcoal was increased. The effects of additives on the adsorption capacity of activated charcoal were also investigated in vitro. EtOH, sorbitol, and sucrose reduced drug adsorption, whereas cacao powder, milk, and starch had no effect on tilidine adsorption. At an acid pH, Federa Activated Charcoal adsorbed more drug than either Norit A or Activated Charcoal Merck.

IT 51931-66-9, Tilidine

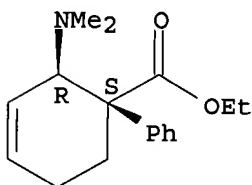
RL: PEP (Physical, engineering or chemical process); PROC (Process)

(adsorption of, by activated charcoal in gastrointestinal tract)

RN 51931-66-9 CAPLUS

CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester, (1R,2S)-rel- (CA INDEX NAME)

Relative stereochemistry.



L9 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1984:610763 CAPLUS

DOCUMENT NUMBER: 101:210763

TITLE: 3-trans-Dimethylamino-4-phenyl-4-trans-carbethoxy-1-cyclohexene

INVENTOR(S): David, Ladislav; Rybar, Alfonz; Zlatinsky, Emil; Breza, Milan; Pekar, Anton; Martvon, Augustin

PATENT ASSIGNEE(S): Czech.

SOURCE: Czech., 4 pp.

CODEN: CZXXA9

DOCUMENT TYPE: Patent

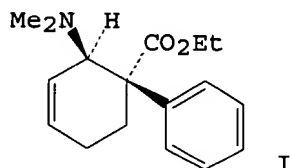
LANGUAGE: Slovak

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 214312	B1	19820409	CS 1980-7396	19801103 <--
PRIORITY APPLN. INFO.:			CS 1980-7396	19801103

GI



I

AB From a mixture of isomers in EtOH-AcOEt 61.1% trans-(I) was separated as crystalline

addition compound with 5-sulfoisophthalic acid and liberated with aqueous NaOH as a product containing 95-8% I.

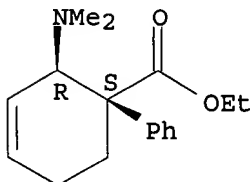
IT 51931-66-9

RL: PROC (Process)  
(separation of, from isomeric mixture)

RN 51931-66-9 CAPLUS

CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester,  
(1R,2S)-rel- (CA INDEX NAME)

Relative stereochemistry.



L9 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1979:610949 CAPLUS

DOCUMENT NUMBER: 91:210949

TITLE: Synthetic applications of N-(acylamino)-1,3-dienes.  
Control of endo stereoselectivity by the acyl  
substituent. Stereospecific synthesis of the  
analgesic Tilidine

AUTHOR(S): Overman, Larry E.; Petty, C. Bruce; Doedens, Robert J.  
CORPORATE SOURCE: Dep. Chem., Univ. California, Irvine, CA, 92717, USA  
SOURCE: Journal of Organic Chemistry (1979), 44(23),  
4183-5

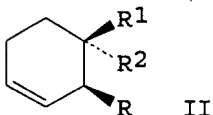
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 91:210949

GI



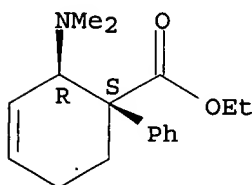
AB Cycloaddn. of benzyl trans-1,3-butadiene-1-carbamate (I) and Et atropate affords stereoisomeric adducts II (R = NHCO<sub>2</sub>CH<sub>2</sub>Ph, R<sub>1</sub> = Ph, R<sub>2</sub> = CO<sub>2</sub>Et; R<sub>1</sub> = CO<sub>2</sub>Et, R<sub>2</sub> = Ph) in yields of 71% and 20%, resp. The structure of the major adduct II (R = NHCO<sub>2</sub>CH<sub>2</sub>Ph, R<sub>1</sub> = Ph, R<sub>2</sub> = CO<sub>2</sub>Et) was determined by single crystal x-ray diffraction. Cycloaddn. of 2,2,2-trichloroethyl trans-1,3-butadiene-1-carbamate (III) with Et atropate occurred stereospecifically to afford adduct II (R = NHCO<sub>2</sub>CH<sub>2</sub>CCl<sub>3</sub>, R<sub>1</sub> = Ph, R<sub>2</sub> = CO<sub>2</sub>Et) in 84% yield. I (R = NHCO<sub>2</sub>CH<sub>2</sub>CCl<sub>3</sub>, R<sub>1</sub> = Ph, R<sub>2</sub> = CO<sub>2</sub>Et) was converted to the analgesic Tilidine (II, R = Me<sub>2</sub>N, R<sub>1</sub> = Ph, R<sub>2</sub> = CO<sub>2</sub>Et) in two steps and 64% yield. The endo-stereoselectivity observed in the reactions of N-acylamino-1,3-dienes I and III with Et atropate is opposite to that observed with the closely related trans-1-(dialkylamino)-1,3-dienes. The ability to control endo stereoselectivity in cycloaddns. of N-acylamino-1,3-dienes by modifications of the acyl substituent, further enhances the synthetic utility of these useful dienes.

IT 51931-66-9P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(stereospecific synthesis of)

RN 51931-66-9 CAPLUS  
CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester,  
(1R,2S)-rel- (CA INDEX NAME)

Relative stereochemistry.



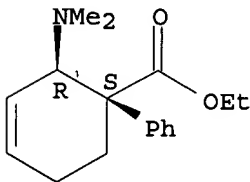
L9 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1974:449442 CAPLUS  
DOCUMENT NUMBER: 81:49442  
TITLE: Separation of (+)-3r-N-Dimethylamino-4c-phenyl-4t-ethoxycarbonylcyclohex-1-ene  
INVENTOR(S): Herrmann, Wolfgang; Satzinger, Gerhard  
PATENT ASSIGNEE(S): Goedecke A.-G.  
SOURCE: Ger., 3 pp.  
CODEN: GWXXAW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2261462	B1	19740425	DE 1972-2261462	19721215 <--
DE 2261462	C2	19741128		

PRIORITY APPLN. INFO.: DE 1972-2261462 A 19721215  
GI For diagram(s), see printed CA Issue.  
AB (+)-I was separated from the racemic ( $\pm$ )-I by treating the racemate with D-tartaric acid, whereby the (-)-tartrate crystallized out. The solution containing the (+)-tartrate was treated with base and extracted with C6H6.  
After distillation of the solvent, Me2CHOH was added to the residue whereby (+)-I crystallized out.

IT 51931-66-9  
RL: PROC (Process)  
(resolution of)  
RN 51931-66-9 CAPLUS  
CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester,  
(1R,2S)-rel- (CA INDEX NAME)

Relative stereochemistry.



L9 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1973:3812 CAPLUS  
DOCUMENT NUMBER: 78:3812

TITLE: Separation and isomerization of cis- and trans-substituted cyclohexanes  
 PATENT ASSIGNEE(S): Warner-Lambert Pharmaceutical Co.  
 SOURCE: Brit., 8 pp.  
 CODEN: BRXXAA  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1226318		19710324		19691001 <--
FR 2039228			FR	
US 3679732		19720725	US	19690417 <--
PRIORITY APPLN. INFO.:			US 1969-817176	19690417

GI For diagram(s), see printed CA Issue.

AB An isomeric mixture of I and II were separated by precipitation of I as the oxalate

salt. II was partially rearranged to I by heating with organic acids, e.g., fumaric, oxalic or maleic acid.

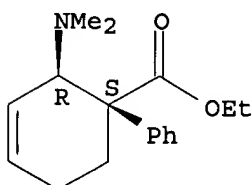
IT 51931-66-9P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 51931-66-9 CAPLUS

CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester, (1R,2S)-rel- (CA INDEX NAME)

Relative stereochemistry.



L9 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1972:126471 CAPLUS

DOCUMENT NUMBER: 76:126471

TITLE: Separating 3-trans-2(dimethylamino)-4-phenyl-4-trans-carbethoxy-Δ1-cyclohexene from a mixture

INVENTOR(S): Strotzer, Erich

PATENT ASSIGNEE(S): Goedecke A.-G.

SOURCE: Ger., 3 pp. Addn. to Ger. 1,518,959 (See Brit. 1,120,186, CA 69;96062v).

CODEN: GWXXAW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 6

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1768704	A	19711111	DE 1967-1768704	19680621 <--
US 3557127	A	19710119	US 1969-813268	19690403 <--
GB 1216152	A	19701216	GB 1969-1216152	19690506 <--
BE 732713	A	19691110	BE 1969-732713	19690508 <--
NL 6907094	A	19691111	NL 1969-7094	19690508 <--
SE 360070	B	19730917	SE 1969-6552	19690508 <--
JP 50011907	B	19750507	JP 1969-35463	19690508 <--

CA 935160	A1	19731009	CA 1970-87006	19700630 <--
NO 127004	B	19730424	NO 1970-4056	19701026 <--
DK 7503603	A	19750808	DK 1975-3603	19750808 <--
DK 141623	B	19800512		
DK 141623	C	19801013		

PRIORITY APPLN. INFO.:

DE 1965-1518959	A	19651119
DE 1966-1618476	A	19670608
DE 1966-1618482	A	19670623
US 1968-727689	A	19680508
DE 1967-1768704	A	19680621
DE 1967-1768895	A	19680711
US 1968-777197	A	19681119
US 1968-777202	A	19681119
DE 1969-1907909	A	19690217
DE 1969-1907910	A	19690217
DE 1969-1907911	A	19690217
DK 1969-2491	A	19690507

AB The title compound (I) was isolated from the reaction mixture obtained by treating Me<sub>2</sub>NCH:CHCH:CH<sub>2</sub> with H<sub>2</sub>C:CPhCO<sub>2</sub>Et as its double salt with 1,5-naphthalenedisulfonic acid. I contained <0.5% of its cis isomer.

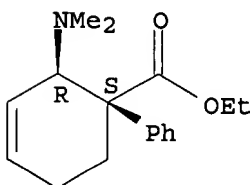
IT 51931-66-9P

RL: PUR (Purification or recovery); PREP (Preparation)  
(purification of)

RN 51931-66-9 CAPLUS

CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester, (1R,2S)-rel- (CA INDEX NAME)

Relative stereochemistry.



L9 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1968:496062 CAPLUS

DOCUMENT NUMBER: 69:96062

TITLE: 2-Amino-1-phenyl-3-cyclohexene-1-carboxylic acid ester derivatives

PATENT ASSIGNEE(S): Warner-Lambert Pharmaceutical Co.

SOURCE: Brit., 5 pp.  
CODEN: BRXXAA

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
GB 1120186		19680717	GB 1966-48322	19661027 <--
DE 1518959			DE	
FR 5978			FR	
US 3557127		19710119	US	19690403 <--
			DE	19651119

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 69:96062

GI For diagram(s), see printed CA Issue.

AB I are useful as analgesics with relatively low toxicity. They do not have a paralyzing effect on the gastro-intestinal tract nor do they depress the

respiratory system. A mixture of 194 g. 1-dimethylamino-1,3-butadiene and 352 g. atropic acid Et ester was stirred (exotherm) (temperature 40-60°) (ice-cooling), and the mixture kept overnight and worked up to give the mixed stereoisomeric hydrochlorides, separated by crystallization

from

AcOEt-EtCOMe into the less soluble cis-I.HCl (R = Et, R1 = Me) (II), 64.4%, m. 84° (free base b0.01 97.5-98°). (II is best separated as the sparingly soluble sesquihydrate by addition of the theoretical volume of H2O to the crystallizing solution), and trans-I.HCl (R = Et, R1 = Me), 22.2%, m. 159° (free base b0.01 95.5-96°). Similarly were prepared cis-I.HCl (R = R1 = Et), m. 147° (AcOEt-iso-PrOH); and cis-I.HCl [R = Et, (NR12'=)piperidino], m. 168° (decomposition) (Me2CO), the corresponding trans isomer were also isolated. Biol. test data were given.

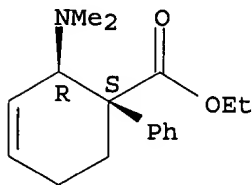
IT 51931-66-9P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 51931-66-9 CAPLUS

CN 3-Cyclohexene-1-carboxylic acid, 2-(dimethylamino)-1-phenyl-, ethyl ester,  
(1R,2S)-rel- (CA INDEX NAME)

Relative stereochemistry.



## Refine Search

### Search Results -

Terms	Documents
dimethylamino\$7 and pheny\$6 and propion\$8 and ethyl atropate	2

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L7





### Search History

DATE: Tuesday, May 15, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

**Set Name Query**  
 side by side

**Hit Count Set Name**  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L7</u>	dimethylamino\$7 and pheny\$6 and propion\$8 and ethyl atropate	2	<u>L7</u>
<u>L6</u>	dimethylamino\$7 adj4 pheny\$6 adj4 propion\$8 adj5 cyclohexene\$7	0	<u>L6</u>
<u>L5</u>	L4 and (562/\$ or 560/\$)	1	<u>L5</u>
<u>L4</u>	L3 same carboxylic acid	59	<u>L4</u>
<u>L3</u>	dimethylamino\$7 same pheny\$6 same propion\$8 same cyclohexene\$7	146	<u>L3</u>
<u>L2</u>	dimethylamino\$7 same pheny\$6 same propion\$8	7097	<u>L2</u>
<u>L1</u>	dimethylamino\$7 and pheny\$6 and propion\$8	54262	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

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**Search Results** - Record(s) 1 through 10 of 59 returned.

☐ 1. Document ID: US 20070065365 A1

L4: Entry 1 of 59

File: PGPB

Mar 22, 2007

PGPUB-DOCUMENT-NUMBER: 20070065365

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070065365 A1

TITLE: Abuse-resistant transdermal system

PUBLICATION-DATE: March 22, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kugelmann; Heinrich	Aachen		DE
Bartholomaeus; Johannes	Aachen		DE

US-CL-CURRENT: [424/10.1](#); [424/449](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 2. Document ID: US 20070048228 A1

L4: Entry 2 of 59

File: PGPB

Mar 1, 2007

PGPUB-DOCUMENT-NUMBER: 20070048228

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070048228 A1

TITLE: ABUSE-PROOFED DOSAGE FORM

PUBLICATION-DATE: March 1, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
ARKENAU-MARIC; Elisabeth	Koln		DE
BARTHOLOMAUS; Johannes	Aachen		DE
KUGELMANN; Heinrich	Aachen		DE

US-CL-CURRENT: [424/10.1](#); [514/282](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 3. Document ID: US 20070003616 A1

L4: Entry 3 of 59

File: PGPB

Jan 4, 2007

PGPUB-DOCUMENT-NUMBER: 20070003616

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070003616 A1

TITLE: Process for the production of an abuse-proofed dosage form

PUBLICATION-DATE: January 4, 2007

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Arkenau-Maric; Elisabeth	Koln		DE
Bartholomaus; Johannes	Aachen		DE

US-CL-CURRENT: 424/464; 264/109

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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☐ 4. Document ID: US 20060264493 A1

L4: Entry 4 of 59

File: PGPB

Nov 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060264493

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060264493 A1

TITLE: Tetracyclic pyrazole derivatives as kinase inhibitors, process for their preparation and pharmaceutical compositions comprising them

PUBLICATION-DATE: November 23, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Vanotti; Ermes	Milan		IT
Cervi; Giovanni	Como		IT
Pulici; Maurizio	Milan		IT
Menichincheri; Maria	Milan		IT
Varasi; Mario	Milan		IT
Vianello; Paola	Milan		IT

US-CL-CURRENT: 514/406; 548/358.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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☐ 5. Document ID: US 20060193782 A1

L4: Entry 5 of 59

File: PGPB

Aug 31, 2006

PGPUB-DOCUMENT-NUMBER: 20060193782  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20060193782 A1

TITLE: Abuse-proofed dosage form

PUBLICATION-DATE: August 31, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bartholomaus; Johannes	Aachen		DE
Kugelmann; Heinrich	Aachen		DE
Arkenau-Maric; Elisabeth	Koln		DE

US-CL-CURRENT: 424/10.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 6. Document ID: US 20060188447 A1

L4: Entry 6 of 59

File: PGPB

Aug 24, 2006

PGPUB-DOCUMENT-NUMBER: 20060188447  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20060188447 A1

TITLE: Process for the production of an abuse-proofed dosage form

PUBLICATION-DATE: August 24, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Arkenau-Maric; Elisabeth	Koln		DE
Bartholomaus; Johannes	Aachen		DE

US-CL-CURRENT: 424/10.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 7. Document ID: US 20060002860 A1

L4: Entry 7 of 59

File: PGPB

Jan 5, 2006

PGPUB-DOCUMENT-NUMBER: 20060002860  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20060002860 A1

TITLE: Abuse-proofed oral dosage form

PUBLICATION-DATE: January 5, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bartholomaus; Johannes	Aachen		DE
Kugelman; Heinrich	Aachen		DE

US-CL-CURRENT: 424/10.1; 514/282

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 8. Document ID: US 20060002859 A1

L4: Entry 8 of 59

File: PGPB

Jan 5, 2006

PGPUB-DOCUMENT-NUMBER: 20060002859

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060002859 A1

TITLE: Process for production of an abuse-proofed solid dosage form

PUBLICATION-DATE: January 5, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Arkenau; Elisabeth	Aachen		DE
Bartholomaus; Johannes	Aachen		DE

US-CL-CURRENT: 424/10.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 9. Document ID: US 20050236741 A1

L4: Entry 9 of 59

File: PGPB

Oct 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050236741

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050236741 A1

TITLE: Process for the production of an abuse-proofed solid dosage form

PUBLICATION-DATE: October 27, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Arkenau, Elisabeth	Aachen		DE
Bartholomaeus, Johannes	Aachen		DE

US-CL-CURRENT: 264/443

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 10. Document ID: US 20050214223 A1

L4: Entry 10 of 59

File: PGPB

Sep 29, 2005

PGPUB-DOCUMENT-NUMBER: 20050214223

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050214223 A1

TITLE: Abuse-safeguarded dosage form

PUBLICATION-DATE: September 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bartholomaeus, Johannes	Aachen		DE
Langner, Klaus-Dieter	Aachen		DE
Kugelman, Heinrich	Aachen		DE

US-CL-CURRENT: 424/10.1; 514/270, 514/326

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 11. Document ID: US 20050192182 A1

L4: Entry 11 of 59

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050192182

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050192182 A1

TITLE: Herbicidal mixtures based on substituted aryl ketones

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Feucht, Dieter	Monheim		DE
Dahmen, Peter	Neuss		DE
Drewes, Mark Wilhelm	Langenfeld		DE
Pontzen, Rolf	Leichlingen		DE
Hoischen, Dorothee	Dusseldorf		DE
Muller, Klaus-Helmut	Dusseldorf		DE
Schwarz, Hans-Georg	Langenfeld		DE
Herrmann, Stefan	Langenfeld		DE
Kather, Kristian	Langenfeld		DE
Schallner, Otto	Monheim		DE
Goto, Toshio	Tochigi		JP
Shirakura, Shinichi	Tochigi		JP

US-CL-CURRENT: [504/136](#); [504/118](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 12. Document ID: US 20050186139 A1

L4: Entry 12 of 59

File: PGPB

Aug 25, 2005

PGPUB-DOCUMENT-NUMBER: 20050186139

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050186139 A1

TITLE: Abuse-proofed dosage form

PUBLICATION-DATE: August 25, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bartholomaus, Johannes	Aachen		DE
Langner, Klaus-Dieter	Aachen		DE

US-CL-CURRENT: 424/10.2; 514/221

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 13. Document ID: US 20050152843 A1

L4: Entry 13 of 59

File: PGPB

Jul 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050152843

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050152843 A1

TITLE: Abuse-proofed dosage form

PUBLICATION-DATE: July 14, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bartholomaus, Johannes	Aachen		DE
Kugelmann, Heinrich	Aachen		DE

US-CL-CURRENT: 424/10.1; 514/221, 514/270, 514/649

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 14. Document ID: US 20050090396 A1

L4: Entry 14 of 59

File: PGPB

Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090396

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050090396 A1

TITLE: Herbicides based on substituted carboxylic acid anilides

PUBLICATION-DATE: April 28, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Feucht, Dieter	Kelkheim		DE
Dahmen, Peter	Neuss		DE
Drewes, Mark Wilhelm	Langenfeld		DE
Pontzen, Rolf	Leichlingen		DE
Andree, Roland	Langenfeld		DE
Linker, Karl-Heinz	Leverkusen		DE

US-CL-CURRENT: 504/129; 504/118

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 15. Document ID: US 20050059657 A1

L4: Entry 15 of 59

File: PGPB

Mar 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050059657

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050059657 A1

TITLE: Aminoisoxazole derivatives active as kinase inhibitors

PUBLICATION-DATE: March 17, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Cavicchioli, Marcello	Lyon		FR
Pevarello, Paolo	Pavia		IT
Salom, Barbara	Vedano al Lambro		IT
Vulpetti, Anna	Brugherio		IT

US-CL-CURRENT: 514/227.8; 514/235.2, 514/254.04, 514/326, 514/378

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 16. Document ID: US 20050042674 A9

L4: Entry 16 of 59

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050042674

PGPUB-FILING-TYPE: corrected

DOCUMENT-IDENTIFIER: US 20050042674 A9

TITLE: Common ligand mimics: thiazolidinediones and rhodanines

PUBLICATION-DATE: February 24, 2005

## PRIOR-PUBLICATION:

DOC-ID	DATE
US 0009526 A1	January 15, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yu, Lin	San Diego	CA	US
Dong, Qing	San Diego	CA	US
Pierre, Fabrice	La Jolla	CA	US
Chang, Edcon	San Diego	CA	US
Lang, Hengyuan	San Diego	CA	US

Qin, Yong	Poway	CA	US
Fang, Yunfeng	San Diego	CA	US
Hansen, Mark	San Diego	CA	US
Pellecchia, Maurizio	San Diego	CA	US

US-CL-CURRENT: 435/7.1; 436/518, 530/331, 548/183

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 17. Document ID: US 20050031546 A1

L4: Entry 17 of 59

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050031546

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050031546 A1

TITLE: Abuse-proffed dosage form

PUBLICATION-DATE: February 10, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bartholomaeus, Johannes	Aachen		DE
Kugelman, Heinrich	Aachen		DE

US-CL-CURRENT: 424/10.1; 424/486

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 18. Document ID: US 20050019825 A9

L4: Entry 18 of 59

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050019825

PGPUB-FILING-TYPE: corrected

DOCUMENT-IDENTIFIER: US 20050019825 A9

TITLE: Common ligand mimics: pseudothiohydantoins

PUBLICATION-DATE: January 27, 2005

## PRIOR-PUBLICATION:

DOC-ID	DATE
US 0009527 A1	January 15, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dong, Qing	San Diego	CA	US

Pierre, Fabrice	La Jolla	CA	US
Lang, Hengyuan	San Diego	CA	US
Yu, Lin	San Diego	CA	US
Hansen, Mark	San Diego	CA	US
Sem, Daniel S.	San Diego	CA	US
Pellecchia, Maurizio	San Diego	CA	US

US-CL-CURRENT: 435/7.1; 436/518, 546/269.7, 548/184

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 19. Document ID: US 20050004174 A1

L4: Entry 19 of 59

File: PGPB

Jan 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050004174

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050004174 A1

TITLE: Oxazolidinone combinatorial libraries, compositions and methods of preparation

PUBLICATION-DATE: January 6, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gordeev, Mikhail F.	Castro Valley	CA	US
Luehr, Gary W.	Hayward	CA	US
Ni, Zhi-Jie	Fremont	CA	US
Patel, Dines Vinoobhai	Fremont	CA	US
Gordon, Eric	Palo Alto	CA	US

US-CL-CURRENT: 514/340; 514/376, 546/274.1, 548/229

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 20. Document ID: US 20050003963 A1

L4: Entry 20 of 59

File: PGPB

Jan 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050003963

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050003963 A1

TITLE: Herbicides containing substituted thien-3-yl-sulfonylamino(thio)carbonyl-t-riazolin(thi)one

PUBLICATION-DATE: January 6, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Feucht, Dieter	Monheim		DE
Dahmen, Peter	Neuss		DE
Drewes, Mark Wilhelm	Langenfeld		DE
Pontzen, Rolf	Leichlingen		DE
Gesing, Ernst Rudolf F.	Erkrath		DE

US-CL-CURRENT: 504/139

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K0000	Draw D
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**Search Results** - Record(s) 21 through 30 of 59 returned.

☐ 21. Document ID: US 20040186161 A1

L4: Entry 21 of 59

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040186161

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040186161 A1

TITLE: Prodrugs of a 3-(pyrrol-2-ylmethylidene)-2-indolinone derivatives

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sun, Connie Li	Foster City	CA	US
Wei, Chung Chen	Foster City	CA	US
Tang, Peng Cho	Moraga	CA	US
Koenig, Marcel	Burlingame	CA	US
Zhou, Yong	San Francisco	CA	US
Vojkovsky, Tomas	San Mateo	CA	US
Nematalla, Asaad S.	Orinda	CA	US

US-CL-CURRENT: [514/414](#); [548/465](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 22. Document ID: US 20040180881 A1

L4: Entry 22 of 59

File: PGPB

Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040180881

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040180881 A1

TITLE: Oxazolyl-pyrazole derivatives as kinase inhibitors

PUBLICATION-DATE: September 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Berta, Daniela	Sassari		IT
Felder, Eduard	Mendrisio		CH

Vulpetti, Anna                      Brugherio                      IT  
Villa, Marzia                      Bologna                      IT

US-CL-CURRENT: 514/227.5; 514/232.5, 514/254.02, 514/375, 544/137, 544/369, 544/60,  
548/181, 548/217

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D.
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☐ 23. Document ID: US 20040115370 A1

L4: Entry 23 of 59

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040115370

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040115370 A1

TITLE: Emulsion and coating liquid and recording medium using the same

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Funakoshi, Shinji	Akishima		JP
Takanohashi, Hiroaki	Yokosuka		JP

US-CL-CURRENT: 428/32.1; 428/195.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D.
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☐ 24. Document ID: US 20040072945 A1

L4: Entry 24 of 59

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040072945

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040072945 A1

TITLE: Latex and its preparation

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Chen, Jinqiu	Marl		DE
Hahn, Sabine	Haltern am See		DE
Schwenzfeier, Hans-Peter	Dorsten		DE
Wieboldt, Jens	Marl		DE

US-CL-CURRENT: 524/800

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw. D.
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☐ 25. Document ID: US 20040009527 A1

L4: Entry 25 of 59

File: PGPB

Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040009527

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040009527 A1

TITLE: Common ligand mimics: pseudothiohydantoins

PUBLICATION-DATE: January 15, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dong, Qing	San Diego	CA	US
Pierre, Fabrice	La Jolla	CA	US
Lang, Hengyuan	San Diego	CA	US
Yu, Lin	San Diego	CA	US
Hansen, Mark	San Diego	CA	US
Sem, Daniel S.	San Diego	CA	US
Pellecchia, Maurizio	San Diego	CA	US

US-CL-CURRENT: 435/7.1; 436/518, 546/269.7, 548/184

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw. D.
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☐ 26. Document ID: US 20040009526 A1

L4: Entry 26 of 59

File: PGPB

Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040009526

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040009526 A1

TITLE: Common ligand mimics: thiazolidinediones and rhodanines

PUBLICATION-DATE: January 15, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yu, Lin	San Diego	CA	US
Dong, Qing	San Diego	CA	US
Pierre, Fabrice	La Jolla	CA	US
Chang, Edcon	San Diego	CA	US
Lang, Hengyuan	San Diego	CA	US
Qin, Yong	Poway	CA	US
Fang, Yunfeng	San Diego	CA	US

Hansen, Mark	San Diego	CA	US
Pellecchia, Maurizio	San Diego	CA	US

US-CL-CURRENT: 435/7.1; 436/518, 530/331, 548/183

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 27. Document ID: US 20030104473 A1

L4: Entry 27 of 59

File: PGPB

Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030104473

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030104473 A1

TITLE: Common ligand mimics: benzimidazoles

PUBLICATION-DATE: June 5, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dong, Qing	San Diego	CA	US
Lang, Hengyuan	San Diego	CA	US
Xie, Lan	Beijing	CA	CN
Yu, Lin	San Diego		US

US-CL-CURRENT: 435/7.1; 548/113, 548/304.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 28. Document ID: US 20030100555 A1

L4: Entry 28 of 59

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100555

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100555 A1

TITLE: Prodrugs of a 3-(pyrrol-2-ylmethylidene)-2-indolinone derivatives

PUBLICATION-DATE: May 29, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sun, Connie Li	Foster City	CA	US
Wei, Chung Chen	Foster City	CA	US
Tang, Peng Cho	Moraga	CA	US
Koenig, Marcel	Burlingame	CA	US
Zhou, Yong	San Francisco	CA	US

Vojkovsky, Tomas	San Mateo	CA	US
Nematalla, Asaad S.	Orinda	CA	US

US-CL-CURRENT: 514/232.8; 514/254.09, 514/323, 514/414, 544/144, 544/373, 546/209, 548/465

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. D.
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☐ 29. Document ID: US 20020183371 A1

L4: Entry 29 of 59

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183371

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020183371 A1

TITLE: Oxazolidinone combinatorial libraries, compositions and methods of preparation

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gordeev, Mikhail F.	San Leandro	CA	US
Luehr, Gary W.	Fremont	CA	US
Patel, Dinesh V.	Fremont	CA	US
Ni, Zhi-Jie	Fremont	CA	US
Gordon, Eric	Palo Alto	CA	US

US-CL-CURRENT: 514/376; 435/7.1, 436/518, 525/375, 548/229

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. D.
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☐ 30. Document ID: US 7175892 B2

L4: Entry 30 of 59

File: USPT

Feb 13, 2007

US-PAT-NO: 7175892

DOCUMENT-IDENTIFIER: US 7175892 B2

TITLE: Emulsion and coating liquid and recording medium using the same

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040115370 A1	June 17, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. D.
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☐ 31. Document ID: US 7105535 B2

L4: Entry 31 of 59

File: USPT

Sep 12, 2006

US-PAT-NO: 7105535

DOCUMENT-IDENTIFIER: US 7105535 B2

TITLE: Oxazolyl-pyrazole derivatives as kinase inhibitors

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040180881 A1

September 16, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 32. Document ID: US 7101927 B2

L4: Entry 32 of 59

File: USPT

Sep 5, 2006

US-PAT-NO: 7101927

DOCUMENT-IDENTIFIER: US 7101927 B2

TITLE: Latex obtainable by a gradient regime reaction

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040072945 A1

April 15, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 33. Document ID: US 7053114 B2

L4: Entry 33 of 59

File: USPT

May 30, 2006

US-PAT-NO: 7053114

DOCUMENT-IDENTIFIER: US 7053114 B2

TITLE: Prodrugs of a 3-(pyrrol-2-ylmethylidene)-2-indolinone derivatives

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040186161 A1

September 23, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 34. Document ID: US 7034074 B2

L4: Entry 34 of 59

File: USPT

Apr 25, 2006

US-PAT-NO: 7034074

DOCUMENT-IDENTIFIER: US 7034074 B2

TITLE: Aqueous primary dispersions and coating agents, methods for producing them and their use

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030143414 A1

July 31, 2003

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 35. Document ID: US 7002020 B1

L4: Entry 35 of 59

File: USPT

Feb 21, 2006

US-PAT-NO: 7002020

DOCUMENT-IDENTIFIER: US 7002020 B1

TITLE: Oxazolidinone combinatorial libraries, compositions and methods of preparation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 36. Document ID: US 6797725 B2

L4: Entry 36 of 59

File: USPT

Sep 28, 2004

US-PAT-NO: 6797725

DOCUMENT-IDENTIFIER: US 6797725 B2

TITLE: Prodrugs of a 3-(pyrrol-2-ylmethylidene)-2-indolinone derivatives

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 37. Document ID: US 6621684 B2

L4: Entry 37 of 59

File: USPT

Sep 16, 2003

US-PAT-NO: 6621684

DOCUMENT-IDENTIFIER: US 6621684 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Electric double layer capacitor, electrolytic solution therefore and method for suppressing self-discharge in electronic component

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 38. Document ID: US 6562844 B2

L4: Entry 38 of 59

File: USPT

May 13, 2003

US-PAT-NO: 6562844

DOCUMENT-IDENTIFIER: US 6562844 B2

TITLE: Oxazolidinone combinatorial libraries, compositions and methods of preparation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 39. Document ID: US 6531470 B1

L4: Entry 39 of 59

File: USPT

Mar 11, 2003

US-PAT-NO: 6531470

DOCUMENT-IDENTIFIER: US 6531470 B1

TITLE: Oxazolidinone combinatorial libraries, compositions and methods of preparation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 40. Document ID: US 4774011 A

L4: Entry 40 of 59

File: USPT

Sep 27, 1988

US-PAT-NO: 4774011

DOCUMENT-IDENTIFIER: US 4774011 A

TITLE: Electrolyte for aluminum electrolytic capacitor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 41. Document ID: US 4554155 A

L4: Entry 41 of 59

File: USPT

Nov 19, 1985

US-PAT-NO: 4554155

DOCUMENT-IDENTIFIER: US 4554155 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Controlled release compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 42. Document ID: US 4361436 A

L4: Entry 42 of 59

File: USPT

Nov 30, 1982

US-PAT-NO: 4361436

DOCUMENT-IDENTIFIER: US 4361436 A

TITLE: Composition for plant growth regulation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 43. Document ID: US 4328026 A

L4: Entry 43 of 59

File: USPT

May 4, 1982

US-PAT-NO: 4328026

DOCUMENT-IDENTIFIER: US 4328026 A

TITLE: Phosphoranyl derivatives containing nitrogen

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 44. Document ID: US 4292142 A

L4: Entry 44 of 59

File: USPT

Sep 29, 1981

US-PAT-NO: 4292142

DOCUMENT-IDENTIFIER: US 4292142 A

TITLE: Separation of ethylbenzene from para- and meta-xylenes by extractive distillation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 45. Document ID: US 3825537 A

L4: Entry 45 of 59

File: USOC

Jul 23, 1974

US-PAT-NO: 3825537

DOCUMENT-IDENTIFIER: US 3825537 A

TITLE: 1-THIAZOLIN-2-YL(OR THIAZIN-2-YL) -2-AMINO BENZIMIDAZOLES AND DERIVATIVES THEREOF

DATE-ISSUED: July 23, 1974

INVENTOR-NAME: NARAYANAN V; HAUGWITZ R

US-CL-CURRENT: 544/55, 548/181, 548/307.4, 558/17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 46. Document ID: US 3819700 A

L4: Entry 46 of 59

File: USOC

Jun 25, 1974

US-PAT-NO: 3819700

DOCUMENT-IDENTIFIER: US 3819700 A

TITLE: 2-(HYDROCARBYLTHIO) -2-(HYDROXYIMINO) -ACETAMIDE S-OXIDES AND DERIVATIVES

DATE-ISSUED: June 25, 1974

INVENTOR-NAME: BELLINA R

US-CL-CURRENT: 564/154; 540/607, 544/111, 544/130, 544/141, 544/155, 544/159, 544/162, 544/176, 544/85, 546/226, 546/245, 548/523, 548/540, 548/953, 548/966, 558/3, 564/162, 564/188, 564/191, 564/192

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 47. Document ID: US 3819693 A

L4: Entry 47 of 59

File: USOC

Jun 25, 1974

US-PAT-NO: 3819693

DOCUMENT-IDENTIFIER: US 3819693 A

TITLE: 9-HYDROXYFLUORENE-2-ALKANOIC ACIDS AND ESTERS THEREOF

DATE-ISSUED: June 25, 1974

INVENTOR-NAME: LEVINE S; PRINCIPE P

US-CL-CURRENT: 562/466, 435/127, 435/911, 435/913, 435/917, 544/107, 554/104,  
554/105, 554/108, 554/111, 554/116, 554/218, 554/220, 558/406, 558/410, 560/101,  
560/107, 560/134, 560/21, 560/34, 560/35, 560/45, 560/51, 560/53, 560/56, 560/8,  
562/434, 562/439, 562/440, 562/461, 562/492

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 48. Document ID: US 3819624 A

L4: Entry 48 of 59

File: USOC

Jun 25, 1974

US-PAT-NO: 3819624

DOCUMENT-IDENTIFIER: US 3819624 A

TITLE: ISOINDOLO(7,1,2-HIJ)QUINOLINES

DATE-ISSUED: June 25, 1974

INVENTOR-NAME: LEVINE S

US-CL-CURRENT: 544/125, 540/544, 540/575, 540/597, 544/361, 544/58.6, 544/59,  
546/72, 548/437

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 49. Document ID: US 3816444 A

L4: Entry 49 of 59

File: USOC

Jun 11, 1974

US-PAT-NO: 3816444

DOCUMENT-IDENTIFIER: US 3816444 A

TITLE: THIAZOLINYL DERIVATIVES OF OMIKRON-PHENYLENEDIAMINES

DATE-ISSUED: June 11, 1974

INVENTOR-NAME: NARAYANAN V; HAUGWITZ R

US-CL-CURRENT: 548/197, 544/53, 548/193, 548/194, 548/198, 558/17, 564/27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 50. Document ID: US 3792080 A

L4: Entry 50 of 59

File: USOC

Feb 12, 1974

US-PAT-NO: 3792080

DOCUMENT-IDENTIFIER: US 3792080 A

TITLE: PROCESS FOR SUBSTITUTED CYCLOHEXENES AND ITS PRODUCTS

DATE-ISSUED: February 12, 1974

INVENTOR-NAME: SATZINGER G; HECHTFISCHER G

US-CL-CURRENT: 560/48, 544/165

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 51. Document ID: US 3759903 A

L4: Entry 51 of 59

File: USOC

Sep 18, 1973

US-PAT-NO: 3759903

DOCUMENT-IDENTIFIER: US 3759903 A

TITLE: THIAZOLINYL AND THIAZINYL DERIVATIVES OF INDAZOLES

DATE-ISSUED: September 18, 1973

INVENTOR-NAME: NARAYANAN V; HAUGWITZ R

US-CL-CURRENT: 544/55, 548/181

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMCC	Draw D
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☐ 52. Document ID: US 3755402 A

L4: Entry 52 of 59

File: USOC

Aug 28, 1973

US-PAT-NO: 3755402

DOCUMENT-IDENTIFIER: US 3755402 A

TITLE: ESTERS OF CYANIC ACID AND METHOD OF PREPARATION

DATE-ISSUED: August 28, 1973

INVENTOR-NAME: GRIGAT E; PUTTER R

US-CL-CURRENT: 560/100, 534/735, 534/859, 544/163, 546/153, 546/177, 546/291,  
548/304.4, 548/361.1, 548/370.1, 549/33, 552/208, 552/265, 552/267, 560/108,  
560/109, 560/139, 560/142, 560/301, 562/427, 562/429, 562/430, 562/434, 562/435,  
562/452, 562/465, 562/466, 562/490, 562/493, 562/496, 568/706, 568/716, 568/721,  
568/723, 568/743, 568/744, 568/763, 568/764, 568/775, 568/780, 568/781, 568/784,  
568/844

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMCC	Draw D
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☐ 53. Document ID: US 3749717 A

L4: Entry 53 of 59

File: USOC

Jul 31, 1973

US-PAT-NO: 3749717

DOCUMENT-IDENTIFIER: US 3749717 A

TITLE: THIAZOLINYL AND THIAZINYL DERIVATIVES OF BENZIMIDAZOLES

DATE-ISSUED: July 31, 1973

INVENTOR-NAME: NARAYANAN V; HAUGWITZ R ; MAURER B

US-CL-CURRENT: 544/55, 548/181

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 54. Document ID: US 3740396 A

L4: Entry 54 of 59

File: USOC

Jun 19, 1973

US-PAT-NO: 3740396

DOCUMENT-IDENTIFIER: US 3740396 A

TITLE: THIAZOLINYL AND THIAZINYL DERIVATIVES OF BENZOTRIAZOLES

DATE-ISSUED: June 19, 1973

INVENTOR-NAME: HAUGWITZ R; VENKATACHALA NARAVANAN

US-CL-CURRENT: 544/55, 548/181, 548/257

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 55. Document ID: US 3720686 A

L4: Entry 55 of 59

File: USOC

Mar 13, 1973

US-PAT-NO: 3720686

DOCUMENT-IDENTIFIER: US 3720686 A

TITLE: MERCAPTOBENZIMIDAZOLE DERIVATIVES

DATE-ISSUED: March 13, 1973

INVENTOR-NAME: NARAYANAN V; HAUGWITZ R

US-CL-CURRENT: 548/307.1, 558/13, 558/414, 564/155, 564/214, 564/218, 564/305,  
564/315, 564/440, 564/441, 564/443

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 56. Document ID: US 3660563 A

L4: Entry 56 of 59

File: USOC

May 2, 1972

US-PAT-NO: 3660563

DOCUMENT-IDENTIFIER: US 3660563 A

TITLE: WATER SOLUBLE ENTRAPPING OF A DRUG

DATE-ISSUED: May 2, 1972

INVENTOR-NAME: SHEPHERD THOMAS H; GOULD FRANCIS E

US-CL-CURRENT: 514/772.1, 514/772.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. D
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☐ 57. Document ID: US 3564100 A

L4: Entry 57 of 59

File: USOC

Feb 16, 1971

US-PAT-NO: 3564100

DOCUMENT-IDENTIFIER: US 3564100 A

TITLE: BASICALLY SUBSTITUTED CYCLOALKENE COMPOUNDS AS ANTITUSSIVE AGENTS

DATE-ISSUED: February 16, 1971

INVENTOR-NAME: FRANKUS ERNST; FLICK KURT

US-CL-CURRENT: 514/650

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. D
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☐ 58. Document ID: US 3470249 A

L4: Entry 58 of 59

File: USOC

Sep 30, 1969

US-PAT-NO: 3470249

DOCUMENT-IDENTIFIER: US 3470249 A

TITLE: 1 - (M - HYDROXYPHENYL) - 2 - DIALKYLAMINO METHYL - CYCLOALKENES AND THE SALTS THEREOF AND THE PROCESS OF PERPARING THE SAME

DATE-ISSUED: September 30, 1969

INVENTOR-NAME: FRANKUS ERNST; FLICK KURT

US-CL-CURRENT: 564/446, 514/849, 546/322, 546/326, 564/339

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. D
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☐ 59. Document ID: US 2212141 A

L4: Entry 59 of 59

File: USOC \

Aug 20, 1940

US-PAT-NO: 2212141

DOCUMENT-IDENTIFIER: US 2212141 A

TITLE: Esters and their preparation

DATE-ISSUED: August 20, 1940

INVENTOR-NAME: VERNON ALDERMAN VAN; MARTIN BRUBAKER MERLIN ; EDWARD HANFORD WILLIAM

US-CL-CURRENT: 558/251, 549/1, 558/255

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw D
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☐ 1. Document ID: US 3997590 A

L7: Entry 1 of 2

File: USPT

Dec 14, 1976

US-PAT-NO: 3997590

DOCUMENT-IDENTIFIER: US 3997590 A

TITLE: Keto-esters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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☐ 2. Document ID: US 3649628 A

L7: Entry 2 of 2

File: USOC

Mar 14, 1972

US-PAT-NO: 3649628

DOCUMENT-IDENTIFIER: US 3649628 A

TITLE: PROCESS FOR PRODUCING SUBSTITUTED CYCLOHEXENE COMPOUNDS

DATE-ISSUED: March 14, 1972

INVENTOR-NAME: NOVACK ROBERT M

US-CL-CURRENT: 544/172; 546/239, 548/573, 548/578, 560/48

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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dimethylamino\$7 and pheny\$6 and propion\$8 and ethyl atropate	2

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